

RAYCO® T185 Site Preparation

Stump Cutter/Forestry Mower



T185 with FM7200 Forestry Mower/Mulcher



and HYDRA-STUMPER SYSTEM

RAYCO®

"The Stump Cutter People"

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T185 PRIME MOVER

The T185 prime mover is specifically engineered to power both RAYCO land-clearing attachments. It combines high horsepower with heavy-duty hydrostatic systems essential to produce multi-function capabilities at professional levels of performance. Plus, the T185 carries the attachments to the work with optimum efficiency. Because of its low ground pressure and track drive system, the T185 readily operates in wet conditions as well as steeply sloped terrain that render lesser machinery useless.

Inside the cabin area, operator comfort is emphasized to maximize productivity. The cab is climate controlled by heat and air conditioning along with tinted *lexan* shields. It is isolated from the chassis by elastomeric pads and equipped with a fresh air makeup system to keep the cabin free of dust during dry seasons.

Operation of the machine is simple and easy to learn. The drive controls are located at the left armrest. The cutting system controls lie at the other. All instrumentation and warning signals are in clear sight and the up-front positioning of the operator affords an uninhibited view of the work in progress in all directions. To protect the investment and avoid costly repairs, the engine and hydraulic systems are monitored and equipped with automatic delayed shut downs in case of a malfunction to the machine.

Either the *forestry mower* or the *stump cutter* attaches in just minutes. A self-aligning mount joins the attachment to the prime mover, and the hydraulic lines connect with quick couplers. The versatility of multi-purpose machine not only adds to the convenience on the job site, it enhances the profit earning potential of the T185 owner.

FM7200 FORESTRY MOWER/MULCHER

The FM7200 system mows and mulches scrub trees and undergrowth on land clearing sites. Whether the property is comprised of standing timber, scrub brush or waste debris left from timber harvesting, the FM7200 cuts and grinds the vegetation to mulch. Remaining is a beautifully prepared landscape ready for reforestation or development.

Overall the FM7200 is 103" wide to clear a path which allows the tracks of the T185 to pass uninhibited through a wooded area. The mower encases a 90" wide and 20" diameter rotor. The forward rotation of the cutting tools distributes the processed material downward while the push bar directs fallen trees in front of the machine. The debris is then pulverized as the forestry mower progresses over it.

T185 HYDRA-STUMPER

Makes site preparation a one-man operation

To produce even more finely mulched vegetation, close the lid of the mower housing and back drag the terrain. Now the fallen material is picked from the ground and lifted into the mulcher where it is pulverized. The result is a perfectly manicured job site.

RAYCO'S FM7200 Mower/Mulcher system can be operated safely in areas unacceptable to horizontal rotating mowers. The drum-style system manages the direction of discharged material down and in front of the mower. Thus, the operator has complete control so that objects are not projected outward or to the side.

The FM7200 drum is tooled with 36, 3 1/2# flail hammers swinging from hardened bars that extend the length of the rotor. Centrifugal force swings the hammers into cutting position while mowing. This system is ideal for most working conditions because the hammers can trip backward inside the rotor if an immovable object is encountered.

HYDRA-STUMPER

Equipped with the Hydra-Stumper head, the T185 efficiently and safely removes stumps by the acre. Grinding stumps in ground eliminates the high costs in machinery and manpower associated with digging and hauling unearthed stump carcasses to remote landfills to pay tipping fees. With the T185, just one man and one machine does it all!

On the job, the stump, along with the root structure, is ground to a mound of mulch, which is later to be groomed into the topsoil. *The stump cutter* can remove stumps 82" high, 101" across and as deep as 39" below ground level without repositioning. When the T185 cuts a stump - it is completely gone.

The cutter wheel is tooled according to soil conditions. The standard cutter wheel is patterned with 48 *Monster Tooth* cutters. Exclusively RAYCO, the *Monster Tooth* is RAYCO'S jumbo carbide tipped stump cutter tooth. They smoothly slice through the stump with maximum productivity and minimal stress to the machine. Their size and strength give the *Monster Tooth* durability to hold up in a land clearing working environment. Also, their single piece bolt-on design is simple and easy to replace minimizing downtime for maintenance.

In harsh soils the *rock* cutter wheel is utilized. The *rock* cutter wheel is tooled with chonicle percussion bits. These tools are more resistant to *rock* and provide a longer service life when operating under these soil conditions. Regardless of the working conditions, RAYCO has the answer.



SPEC DATA

RAYCO® T185 HYDRA-STUMPER®

GENERAL

Weight.....22,680 lbs. (10,287 kg)
 Length.....20' (615 cm)
 Height.....9'-8" (295 cm)
 Width.....8'-6" (259 cm)
 ROPS design.....Electrically welded 4" x 4" x 3/8" (10.6 cm)
 Undercarriage.....Track type, 2 range hydrostatic drive

ENGINE

Model.....John Deere 6068T turbo charged diesel
 Horsepower.....185 (137 kw)
 Cylinders.....6 turbocharged
 RPM.....2400
 Fuel Capacity.....85 gallons (322 liters)

Operator's Station

Steering Controls:.....Dual center-position Joysticks
 Boom Controls:.....Servo Joystick
 Instrumentation:.....Ammeter, water temp, oil pressure,
 hydraulic oil temp, filter suction, fuel gauge and tachometer

FM7200 Mower Mulcher

Weight:.....3,740 lbs. (1696 kg)
 Width:.....103" (262 cm)
 Cutter Tools:.....36 Swing Hammers
 Drive System:.....High pressure hydrostatic to
 Gates® Polychain GT
 Rotor Size:.....20" (51 cm) diameter, 90" (228 cm) long
 Cutting Capacity:.....4" (11 cm) continuous and
 6" (16 cm) intermittent

HYDRA-STUMPER®

Weight.....2650 lbs. (1209)
 Cutting Wheel Size:.....36" (91.4 cm) x 1.5" (3.81cm)
 Cutter Tools:.....48 Rayco Monster Tooth® or
 68 chonicle bits
 Drive System:.....High pressure hydrostatic to
 Gates® Polychain GT
 Cutting Dimensions:.....101" (254 cm) wide
 39" (100 cm) deep, 82" (208 cm) high



Located in Wooster, Ohio, RAYCO's modern 110,000 square-foot manufacturing and parts facility is solely dedicated to the design and production of the world's most complete line of high performance Stump Cutters and Forestry Mowers.

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